IEEE Bangalore Section – October Report


There is an increasing demand for safety critical engineered systems to inculcate human-like intelligence and autonomy through adoption of AI models, including data-driven decision-making capabilities based on machine-learning. This symposium brought together experts to share their research findings and experiences on various challenges pertaining to adoption of AI-ML in safety critical systems, including implications on regulations and certification.

IEEE Systems Council President Dr. Vincenzo Piuri was a Patron for the event, and delivered the inaugural key note address in the symposium, on “Ambient Intelligence for Safety Critical Systems”.

The first day of the symposium featured on Modeling and Design aspects on AI-ML for safety critical systems. The second day focused on systems engineering lifecycle aspects including certification & regulations.
IEEE Systems Council Bangalore Chapter Chair Dr. Ramakrishnan Raman delivering the Welcome Address
IEEE Systems Council President Dr. Vincenzo Piuri, delivering the inaugural keynote address on “Ambient Intelligence for Safety Critical Systems”
INCOSE President Ms Kerry Lunney, delivering Keynote Address on “The Spectrum of AI & ML Awesomeness”
Day 1 - Panel Discussion

Day 2 - Keynote address by Mr. George Romanski, FAA
Day-2 Track Keynote Address by Dr. Barclay Brown, Raytheon Technologies
PATRONS

Shri. A S Kiran Kumar
President, AaSI, Former Chairman, ISRO

Dr. Sateesh Reddy
Secretary, Defence R&D, Chairman, DRDO

Ms. Kerry Lunney
Country Engg Director, Ithas Australia & President, INCOSSE

Dr. Vincenzo Piuri
Professor, University of Milan, President, IEEE Systems Council

SPEAKERS & PANELISTS

Mr. George Ramanek
Chief Scientist Technical Advisor, FAA

Dr. Barclay Brown
Engineering Fellow Raytheon Technologies

Mr. Ramesh Bharadwaj
Senior Researcher Naval Research Lab, USA

Dr. Seema Chopra
Global Technical Leader/Principal Data Scientist - Boeing

Mr. Raj Pai
Senior Technologist Aeronautics Division, NASA

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